

# Material Safety Data Sheet



Zep Inc.  
1310 Seaboard Industrial Blvd.  
Atlanta, GA 30318  
1-877-793-7776

## Section 1. Chemical Product and Company Identification

**Product name** Z-VERDANT PEROXIDE CLEANER  
**Product use** General Purpose Cleaner - Liquid Concentrate  
**Product code** R180  
**Date of issue** 05/20/09 **Supersedes**

### Emergency Telephone Numbers

**For MSDS Information:**  
Compliance Services 1-877-793-7776

**For Medical Emergency**  
(877) 541-2016 Toll Free - All Calls Recorded

**For Transportation Emergency**  
CHEMTREC: (800) 424-9300 - All Calls Recorded  
In the District of Columbia (202) 483-7616

**Prepared By**  
Compliance Services  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

## Section 2. Hazards Identification

### Emergency overview

\*Hazard Determination System (HDS): Health, Flammability, Reactivity

WARNING !



CAN CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

### Acute Effects

### Routes of Entry

Inhalation. Ingestion.

**Eyes** Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

**Skin** May cause skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.

**Inhalation** Avoid breathing vapor or mist. May cause respiratory tract irritation.

**Ingestion** DO NOT swallow this product. Can cause gastrointestinal disturbances.

**Chronic effects** There is no known chronic effect after exposure to this product.

**Carcinogenicity** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Additional Information: See Toxicological Information (Section 11)

## Section 3. Composition/Information on Ingredients

### Name of Hazardous Ingredients

### CAS number

### % by Weight

HYDROGEN PEROXIDE; peroxide

7722-84-1

<10

DIPROPYLENE GLYCOL N-PROPYL ETHER; 2-propanol, 1-(1-methyl-2-propoxyethoxy)

29911-27-1

<10

## Section 4. First Aid Measures

**Eye Contact** Check for and remove any contact lenses. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**Skin Contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops.

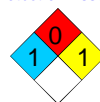
**Inhalation** If inhaled, remove to fresh air. If irritation persists, get medical attention.

**Ingestion** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

## Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)

**Flash Point** Closed cup (Tagliabue.):  
Higher than 93.3°C (200°F).



**Flammable Limits** Not determined.

**Flammability** Non-combustible.

**Fire hazard** Substance releases oxygen when heated, which may increase the severity of an existing fire. Cool closed containers exposed to fire with water.

**Fire-Fighting Procedures**

Wear special protective clothing and positive pressure, self-contained breathing apparatus.

**Section 6. Accidental Release Measures**

**Spill Clean up** Put on appropriate personal protective equipment (see section 8). Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Section 7. Handling and Storage**

**Handling** Avoid contact with eyes, skin and clothing. Do not wear leather. Wash contaminated clothing before reusing.

**Storage** Do not store below 0°C or above 35°C. Keep away from heat and direct sunlight. Exposure to heat and sunlight accelerates decomposition. Avoid contact with wood. Keep out of the reach of children.

**Section 8. Exposure Controls/Personal Protection****Product name**

HYDROGEN PEROXIDE; peroxide

**Exposure limits**

ACGIH TLV (United States).

TWA: 1 ppm 8 hour(s).

OSHA PEL (United States).

TWA: 1 ppm 8 hour(s).

**Personal Protective Equipment (PPE)**

**Eyes** Safety glasses.

**Body** Neoprene, Nitrile, or Rubber Gloves

**Respiratory** Use with adequate ventilation. Avoid breathing vapor or mist.

**Section 9. Physical and Chemical Properties**

**Physical State** Thin liquid

**pH** 3.5-4.0

**Boiling Point** 104.4°C (220°F)

**Specific Gravity** 1.03

**Solubility** Easily soluble in the following materials: cold water.

**Color** Green

**Odor** This product contains a Clean and Fresh fragrance.

**Vapor Pressure** Not determined.

**Vapor Density** Not determined.

**Evaporation Rate** 1 (Water = 1)

**VOC (Consumer)** <0.1% as used

**Section 10. Stability and Reactivity**

**Stability and Reactivity** The product is stable.

**Incompatibility** Reactive or incompatible with the following materials: flammables, cyanides, oxidizing agents, and reducing agents.

**Hazardous Polymerization** Will not occur.

**Hazardous Decomposition Products** Exposure to heat and exposure to sunlight accelerates decomposition.

**Section 11. Toxicological Information****Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Hydrogen Peroxide	LD50 Oral	Rat	1232 mg/kg	-
Dipropylene Glycol N-propyl Ether	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>1500 mg/kg	-

**Section 12. Ecological Information**

**Environmental Effects** No known significant effects or critical hazards.

**Aquatic Ecotoxicity**

Product/ingredient name	Test	Result	Species	Exposure
Hydrogen Peroxide	-	Acute LC50 16.4 mg/L	Fish	96 hours

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Code: - (None.)

Classification: - (Non-hazardous waste)

**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
<b>DOT Classification</b>	Not regulated.	None.	-	-	
<b>IMDG Class</b>	Not determined.			-	

**NOTE:** DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG\* : Packing group

**Section 15. Regulatory Information****U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

No products were found.

**Clean Water Act (CWA) 307:** No products were found.

**Clean Water Act (CWA) 311:** No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

**State Regulations**

**California Prop 65** No products were found.

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

\*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.